

What is claimed is:

1. A storage device comprising:

a first storage device which is a non-volatile storage device capable of inputting and outputting data with respect to a host and is provided with a first address space as seen from
5 said host;

a second storage device which is a non-volatile storage device capable of inputting and outputting data and has a lower data error rate than said first storage device; and

10 control means for making said second storage device execute an instruction when said host issues the instruction to an address in said first address space and in the case where the address is included in a previously defined partial address space in said first address space.

15 2. The storage device according to claim 1,

wherein said second storage device can execute a higher speed operation than said first storage device.

3. The storage device according to claim 1 or 2,

20 wherein the data stored in said second storage device is the data of a system region.

4. The storage device according to claim 1 or 2,

wherein a storage capacity of said second storage device is equal to or less than 128 M bytes.

5. The storage device according to claim 1 or 2,

25 wherein said first storage device and said second storage device are provided in one chassis having a slot, and

said first storage device can be detached through said slot.

6. The storage device according to claim 1 or 2,
wherein said first storage device is a hard disk drive
(HDD), and
said second storage device is a non-volatile memory.

5 7. The storage device according to claim 1 or 2,
wherein said storage device is used as a storage medium
of a car navigation system.

8. The storage device according to claim 1 or 2,
wherein an entire system is stored in said first storage
10 device, the data in the partial address space is copied to the
second storage device, and then, the data in said address space
in the first storage device is deleted.

9. The storage device according to claim 1 or 2,
wherein said second storage device is accessed by a
15 sector/cluster unit such as 512 bytes/2048 bytes.

10. A storage device comprising:
a first storage device which is a non-volatile storage
device capable of inputting and outputting data with respect to
a host and is provided with a first address space as seen from
20 said host;

a second storage device which is a non-volatile storage
device capable of inputting and outputting data and has a lower
data error rate than said first storage device; and

control means for extracting a partial data from the data
25 corresponding to said first address space and storing said
extracted partial data in said second storage device.

11. The storage device according to claim 10,
wherein said extracted partial data is the date of a

system region.

12. The storage device according to claim 10,
wherein said extracted partial data is a code data for
detecting and correcting an error.

5 13. The storage device according to claim 10,
wherein a power source is disconnected on the basis of a
signal issued by the power source or the host, and a storage
operation is finished by an internally accumulated electric
charge.

10 14. The storage device according to claim 10,
wherein said first storage device is a hard disk drive
(HDD), and

said second storage device is a non-volatile memory.

15 15. A storage system having a host and a storage device,
wherein said host comprises:
a CPU and a RAM for executing a processing program; and
a controller which controls an input and output of data
between said host and said storage device,

said storage device comprises:

20 a first storage device which is a non-volatile storage
device;

a second storage device which is a non-volatile storage
device and has a lower data error rate than said first storage
device; and

25 a drive setting terminal by which said host discriminates
said first storage device and said second storage device, and

said processing program has a function to allocate a
partial address space included in address spaces of said

storage device, to which continuous addresses are allocated, to said second storage device, and to allocate the other address spaces to said first storage device.

16. The storage system according to claim 15,

5 wherein said second storage device can execute a higher speed operation than said first storage device.

17. The storage system according to claim 15 or 16,

wherein a storage capacity of said second storage device is equal to or less than 128 M bytes.

10 18. The storage system according to claim 15 or 16,

wherein said first storage device and said second storage device are provided in one chassis having a slot, and

said first storage device can be detached through said slot.

15 19. The storage system according to claim 15 or 16,

wherein said first storage device is a hard disk drive (HDD), and

said second storage device is a non-volatile memory.

20. The storage system according to claim 15 or 16,

20 wherein said system is a car navigation system.

21. The storage system according to claim 15 or 16,

wherein an entire system is stored in said first storage device, the data in the partial address space is copied to the second storage device, and then, the data in said address space
25 in the first storage device is deleted.

22. The storage system according to claim 15 or 16,

wherein said second storage device is accessed by a sector/cluster unit such as 512 bytes/2048 bytes.

23. A storage system having a host and a storage device,
wherein said storage device comprises:

a first storage device which is a non-volatile storage
device,

5 said host comprises:

a ROM in which a processing program is stored;

a CPU and a RAM for executing said processing program;

a controller which controls an input and output of data
between said host and said storage device; and

10 a non-volatile memory device which has a lower data error
rate than said first storage device, and in which the data
relating to a file management with respect to said first
storage device is stored, and

said processing program stored in said ROM has a function
15 to refer to said data relating to the file management stored in
said non-volatile memory device at a time of accessing to said
first storage device.

24. The storage system according to claim 23,

wherein said non-volatile memory device can execute a
20 higher speed operation than said first storage device.

25. The storage system according to claim 23 or 24,

wherein the storage system is a car navigation system.

26. The storage system according to claim 23 or 24,

wherein an entire system is stored in said first storage
25 device, the data in the partial address space is copied to the
non-volatile memory device, and then, the data in said address
space in the first storage device is deleted.